INDEX

Balmforth, N. J. & Liu, J. J. Roll waves in mud, 33–54

Charru, F., Mouilleron, H. & Eiff, O. Erosion and deposition of particles on a bed sheared by a viscous flow, 55–80

Chen, H. *See* Li, Shock, Zhang & Chen

Chen, H., Orszag, S. A., Staroselsky, I. & Succi, S. Expanded analogy between Boltzmann kinetic theory of fluids and turbulence, 301–314

Clanet, C., Héraud, P. & Searby, G. On the motion of bubbles in vertical tubes of arbitrary cross-sections: some complements to the Dumitrescu–Taylor problem, 359–376

Derksen, J. J. *See* Ten Cate, Derksen, Portela & Van den Akker

Eiff, O. *See* Charru, Mouilleron & Eiff

Gharib, M. *See* Jeon & Gharib

Gonzalez, O., Graf, A. B. A. & Maddocks, J. H. Dynamics of a rigid body in a Stokes fluid, 133–160

Graf, A. B. A. *See* Gonzalez, Graf & Maddocks

Héraud, P. *See* Clanet, Héraud & Searby

Jeon, D. & Gharib, M. On the relationship between the vortex formation process and cylinder wake vortex patterns, 161–181

Karniadakis, G. E. *See* Venturi & Karniadakis

Lele, S. K. *See* Xiong & Lele

Li, Y., Shock, R., Zhang, R. & Chen, H. Numerical study of flow past an impulsively started cylinder by the lattice-Boltzmann method, 273–300

Liu, J. J. *See* Balmforth & Liu

Liu, X. & Marshall, J. S. Blade penetration into a vortex core with and without axial core flow, 81–103

Maddocks, J. H. *See* Gonzalez, Graf & Maddocks

Marshall, J. S. *See* Liu & Marshall

Martin, J. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Mei, C. C. *See* Yuhi & Mei

Mortell, M. P. & Seymour, B. R. Nonlinear resonant oscillations in closed tubes of variable cross-section, 183–199

Mouilleron, H. *See* Charru, Mouilleron & Eiff

Orszag, S. A. *See* Chen, Orszag, Staroselsky & Succi

Portela, L. M. *See* Ten Cate, Derksen, Portela & Van den Akker

Rakotomalala, N. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Salin, D. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Searby, G. *See* Clanet, Héraud & Searby

Seymour, B. R. *See* Mortell & Seymour

Shariati, M., Talon, L., Martin, J., Rakotomalala, N., Salin, D. & Yortsos, Y. C. Fluid displacement between two parallel plates: a non-empirical model displaying change of type from hyperbolic to elliptic equations, 105–132

Shock, R. *See* Li, Shock, Zhang & Chen

Smith, F. T. *See* Tadjfar & Smith

INDEX

Balmforth, N. J. & Liu, J. J. Roll waves in mud, 33–54

Charru, F., Mouilleron, H. & Eiff, O. Erosion and deposition of particles on a bed sheared by a viscous flow, 55–80

Chen, H. *See* Li, Shock, Zhang & Chen

Chen, H., Orszag, S. A., Staroselsky, I. & Succi, S. Expanded analogy between Boltzmann kinetic theory of fluids and turbulence, 301–314

Clanet, C., Héraud, P. & Searby, G. On the motion of bubbles in vertical tubes of arbitrary cross-sections: some complements to the Dumitrescu–Taylor problem, 359–376

Derksen, J. J. *See* Ten Cate, Derksen, Portela & Van den Akker

Eiff, O. *See* Charru, Mouilleron & Eiff

Gharib, M. *See* Jeon & Gharib

Gonzalez, O., Graf, A. B. A. & Maddocks, J. H. Dynamics of a rigid body in a Stokes fluid, 133–160

Graf, A. B. A. *See* Gonzalez, Graf & Maddocks

Héraud, P. *See* Clanet, Héraud & Searby

Jeon, D. & Gharib, M. On the relationship between the vortex formation process and cylinder wake vortex patterns, 161–181

Karniadakis, G. E. *See* Venturi & Karniadakis

Lele, S. K. *See* Xiong & Lele

Li, Y., Shock, R., Zhang, R. & Chen, H. Numerical study of flow past an impulsively started cylinder by the lattice-Boltzmann method, 273–300

Liu, J. J. *See* Balmforth & Liu

Liu, X. & Marshall, J. S. Blade penetration into a vortex core with and without axial core flow, 81–103

Maddocks, J. H. *See* Gonzalez, Graf & Maddocks

Marshall, J. S. *See* Liu & Marshall

Martin, J. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Mei, C. C. *See* Yuhi & Mei

Mortell, M. P. & Seymour, B. R. Nonlinear resonant oscillations in closed tubes of variable cross-section, 183–199

Mouilleron, H. *See* Charru, Mouilleron & Eiff

Orszag, S. A. *See* Chen, Orszag, Staroselsky & Succi

Portela, L. M. *See* Ten Cate, Derksen, Portela & Van den Akker

Rakotomalala, N. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Salin, D. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Searby, G. *See* Clanet, Héraud & Searby

Seymour, B. R. *See* Mortell & Seymour

Shariati, M., Talon, L., Martin, J., Rakotomalala, N., Salin, D. & Yortsos, Y. C. Fluid displacement between two parallel plates: a non-empirical model displaying change of type from hyperbolic to elliptic equations, 105–132

Shock, R. *See* Li, Shock, Zhang & Chen

Smith, F. T. *See* Tadjfar & Smith

Staroselsky, I. *See* Chen, Orszag, Staroselsky & Succi

Succi, S. *See* Chen, Orszag, Staroselsky & Succi

Tadjfar, M. & Smith, F. T. Direct simulations and modelling of basic three-dimensional bifurcating tube flows, 1–32

Talon, L. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Ten Cate, A., Derksen, J. J., Portela, L. M. & Van den Akker, H. E. A. Fully resolved simulations of colliding monodisperse spheres in forced isotropic turbulence, 233–271

Van den Akker, H. E. A. *See* Ten Cate, Derksen, Portela & Van den Akker

Venturi, D. & Karniadakis, G. E. Gappy data and reconstruction procedures for flow past a cylinder, 315–336

Xiong, Z. & Lele, S. K. Distortion of upstream disturbances in a Hiemenz boundary layer, 201–232

Yortsos, Y. C. *See* Shariati, Talon, Martin, Rakotomalala, Salin & Yortsos

Yuhi, M. & Mei , C. C. Slow spreading of fluid mud over a conical surface, 337–358

Zhang, R. *See* Li, Shock, Zhang & Chen